

CCTV IP / Professional IP cameras

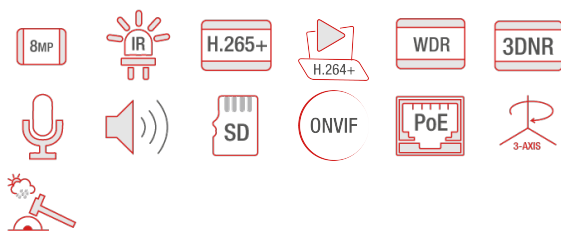
SF-IPD540ZA-8I1

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H.265+ ECO Series

The ECO range is the entry level for IP cameras. It stands out for its good night-time performance and Matrix LED illumination system, as well as its characteristic robustness and reliability, which satisfy any standard installation. Efficient H.265+ encoding, which saves 80% in storage and bandwidth over H.264 codec. Power over the POE network cable greatly simplifies installation.

- Dome IP camera range I1 Advanced AI
- Resolution 8 Megapixel (3840x2160)
- Motorized Lens 2.8-12 mm | Microphone | IR 50m
- Advanced AI: Human, vehicle and vehicle 2 wheels
- Waterproofing IP67 | PoE (IEEE802.3af) | Alarm



Technical Specification

Camera	
Image Sensor	1 / 2.8 "CMOS
Image Size	3840×2160
Electronic Shutter	1 / 2 s ~ 1 / 100000 s
Iris Type	DC Iris
Min. Illumination	0.02 lux @ F1.6, AGC ON; 0 lux with IR
Lens	2.8~12mm@F1.6, motorized
Field of View	Horizontal:99°~34°; Vertical :53°~18°; Diagonal:115°~36°
Lens Mount	□14
Day&Night	ICR
Wide Dynamic Range	120dB
BLC	Yes
HLC	Yes
Defog	Yes
Digital NR	3D DNR
S/N Ratio	≥50dB
Angle Adjustment	Pan: 0°~345°; Tilt:0°~77°; Rotation: 0°~345°
Image	
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG
H.264 Compression Standard	Baseline Profile/Main Profile/High Profile
Resolution	8MP (3840 × 2160), 6MP(3072 × 2048),5MP(2592 × 1944), 4MP (2592 × 1520), 2K(2560 × 1440), 3MP(2304 × 1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, CIF, 480 × 240
Main Stream	60Hz : 8MP(1~20fps)/6MP/5MP/4MP/2K/3MP/1080P/720P(1~30fps) 50Hz : 8MP(1~20fps)/6MP/5MP/4MP/2K/3MP/1080P/720P(1~25fps)
Sub Stream	60Hz: 720P(1~12fps)/D1/480 × 240(1~30fps) 50Hz: 720P/D1/480 × 240(1~25fps)
Third Stream	60Hz: 720P/D1/CIF 480 × 240 (1~30fps) 50Hz: 720P/D1/CIF/480 × 240 (1~25fps)
Bit Rate	64 Kbps ~ 12 Mbps
Bit Rate Type	VBR / CBR
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, image mirror, image flip, Sharpness, NR, etc. adjustable through client software or web browser
ROI	Each ROI to be configured separately

Interfaces

Network	RJ 45 10M/100M self-adaptive Ethernet port
Video Output	CVBS output (BNC×1)
Audio	1CH audio input; 1CH audio output; 1CH built-in MIC
Alarm	1CH alarm input; 1CH alarm output
Storage	Built-in micro SD card slot; up to 256GB
Reset	Yes

Functions

Remote Monitoring	IE browser/ TVT NVR / NVMS / mobile APP
Web Browser	IE11(plugin required)/Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPs, QoS
Interface Protocol	ONVIF
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection; sensor alarm, SD card error; SD card full, IP address conflict, cable disconnection
Intelligent Analytics	Scene change, video blur detection, abnormal color detection , line crossing detection, intrusion detection
General Function	Watermark, video mask, heartbeat,corridor pattern
Security	Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/HTTPs
IR Distance	30~50m
Ingress Protection	IP 67&IK10
PoE	Yes (IEEE802.3af)

DORI Distance

Lens	2.8~12mm(W) 2.8~12mm(T)
Detect	85.71m(281.20ft) 272.75m(894.84ft)
Observe	34.28m(112.46ft) 109.10m(357.93ft)
Recognize	17.14m(56.23ft) 54.55m(178.96ft)
Identify	8.57m(28.11ft) 27.27m(89.46ft)

Others

Power Supply	DC12V/PoE
Power Consumption	< 10.5W
Storage Conditions	- 30 °C ~ 65°C (-22°F~149°F), Humidity: less than 95 % (non-condensing)

Operating Conditions	- 30 °C ~ 60 °C (-22°F~140°F), Humidity: less than 95 % (non-condensing)
Dimensions (mm)	□ 141 × 100.2
Weight (net)	Approx. 0.91KG
Installation	Ceiling mounting; Wall mounting
Certificate	CE, FCC
Environmental Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)